Title: SYSTEM AND METHOD FOR ADDING AN INSTRUCTION

TO AN INSTRUCTION SET ARCHITECTURE

Sheet 1 of 5

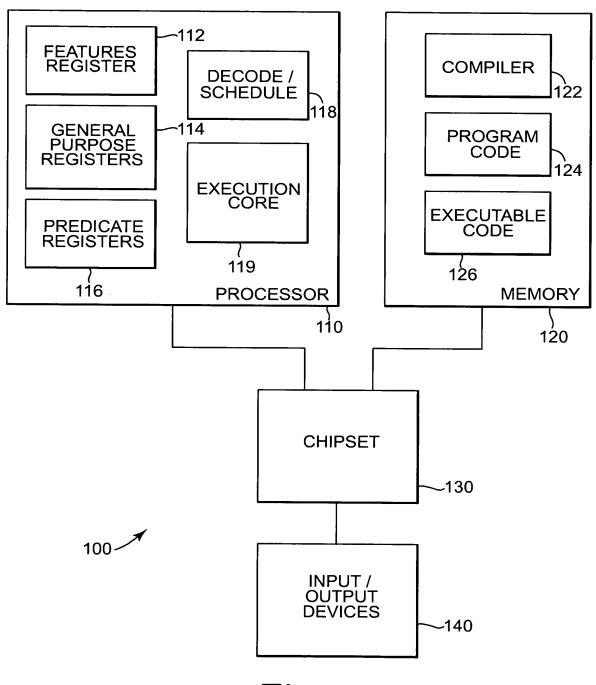


Fig. 1

Applicant: Kevin W. Rudd et al. HP Docket No.: 200207941-1 Title: SYSTEM AND METHOD FOR ADDING AN INSTRUCTION TO AN INSTRUCTION SET ARCHITECTURE

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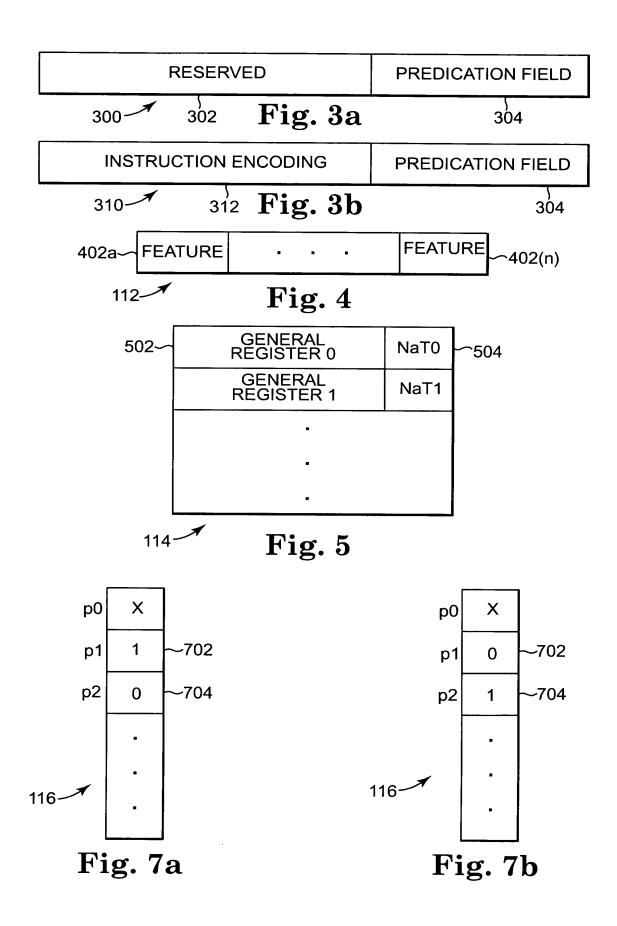
```
setf.sig
                                   // copy first operand from GR to FR
         setf.sig
                   f2 = r2
                                   // copy second operand from GR to FR
220_{-1}
                   f3 = f1, f2, f0 // multiply using the FRs
                   r3 = f3
                                   // copy result from FR to GR
                                      Fig. 2a
                   r3 = r1, r2 // multiply using the GRs
                                     Fig. 2b
                                  620
        tfeature
                  p1, p2 = (mpy feature) // set PRs
614
        (p1) mpy.lu
                        r3 = r1, r2
                                       // if (new) multiply using the GRs
        (p2) setf.sig
                        f1 = r1
                                        // if (old) copy first operand from GR to FR
        (p2) setf.sig
                        f2 = r2
                                        // if (old) copy second operand from GR to FR
        (p2) xma.lu
                        f3 = f1, f2, f0 // if (old) multiply using the FRs
        (p2) getf.sig
                        r3 = f3
                                        // if (old) copy result from FR to GR
               600
```

Fig. 6

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Title: SYSTEM AND METHOD FOR ADDING AN INSTRUCTION

TO AN INSTRUCTION SET ARCHITECTURE

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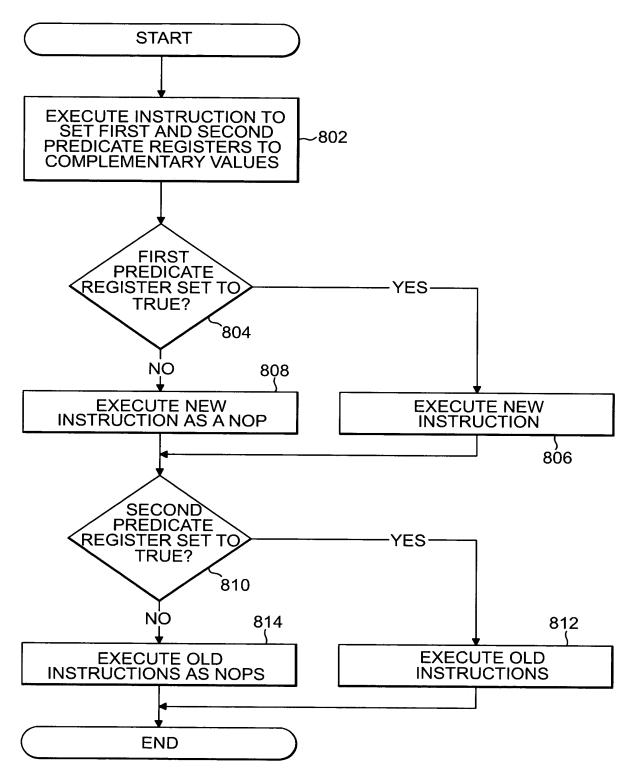


Fig. 8

Title: SYSTEM AND METHOD FOR ADDING AN INSTRUCTION

TO AN INSTRUCTION SET ARCHITECTURE

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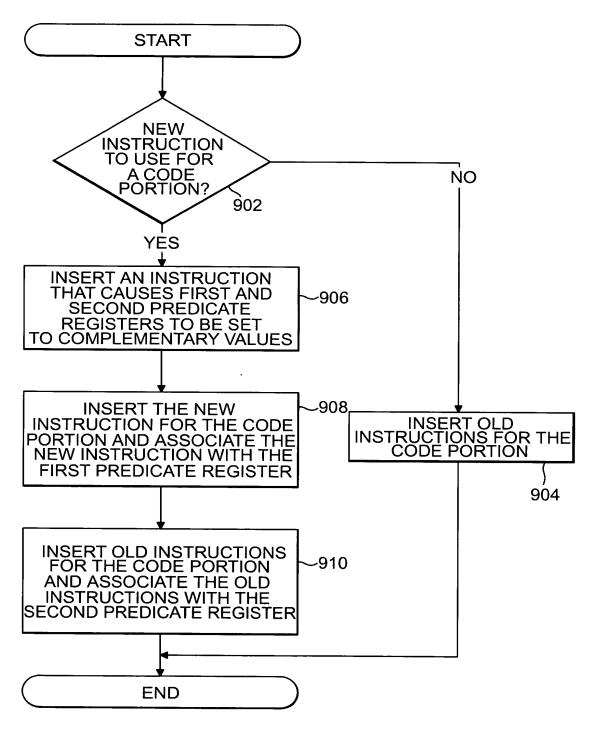


Fig. 9